

COMBINED EDDY CURRENT SENSING AND OPTICAL MONITORING
FOR CHEMICAL MECHANICAL POLISHING

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Abstract

A method of chemical mechanical polishing a metal layer on a substrate in which the substrate is polished at a first polishing rate. Polishing is monitored with an eddy current monitoring system, and the polishing rate is reduced to a second polishing rate when the eddy current monitoring system indicates that a predetermined thickness of the metal layer remains on the substrate. Then polishing is monitored with an optical monitoring system, and polishing is halted when the optical monitoring system indicates that an underlying layer is at least partially exposed.

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